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(54) Title: **MULTIPLE VIEW ENDOSCOPES**

(57) Abstract: The present invention relates to an endoscope comprising two or more optical channels that produce two or more distinct views. The endoscope of the invention is suitable for performing various surgical procedures, including funduplications, stapling of the stomach for obesity management, bladder neck sling procedures for incontinence management, and other procedures that may benefit from having multiple interior views. Such treatments may be performed percutaneously, or by gaining access via natural body canals such as the esophagus or urethra.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 01/00843

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91 00049 A (KARL STORZ GMBH & CO.) 10 January 1991 (1991-01-10) page 17, line 6 -page 23, line 14 figures 1-6C	1
A	---	2,4,5
X	DE 42 41 938 A (KARL STORZ GMBH & CO.) 16 June 1994 (1994-06-16) column 7, line 41 -column 9, line 33 figures	1
Y	---	7
Y	WO 00 53102 A (GAZAYERLI) 14 September 2000 (2000-09-14) page 7, line 20 -page 9, line 11 page 19, line 13 -page 23, line 3 figures 1-2B	7
A	---	8
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

21 June 2002

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- 8. 07. 2002

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INTERNATIONAL SEARCH REPORT

Int ☐ onal Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 889 662 A (MITSUI) 17 June 1975 (1975-06-17) column 4, line 4 - line 50 -----	1,6
A	WO 89 11252 A (UNIVERSITY OF CONNECTICUT) 30 November 1989 (1989-11-30) page 19, line 3 -page 24, line 11 figures 1,2,4,5 -----	1-3
A	US 5 776 049 A (TAKAHASHI) 7 July 1998 (1998-07-07) column 5, line 3 -column 7, line 16 column 9, line 19 -column 10, line 19 figures 2A,B,9A,B -----	4
A	US 5 395 030 A (KURAMOTO ET AL.) 7 March 1995 (1995-03-07) column 5, line 56 -column 8, line 4 column 9, line 50 -column 13, line 45 column 26, line 43 -column 28, line 19 figures 1,6-14,58A-59C -----	7-10

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL 01/00843

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-6

Endoscope comprising two or more separate optical channels, where each optical channel comprises an objective lens for focusing the image on to an image sensor chip. Each objective lens is located at a different position along the length of the endoscope.

2. Claims: 7, 8-10

Endoscope and surgical stapler combination.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL 01/00843

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